

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035267.D
 Acq On : 30 Jul 2020 5:25
 Operator : SY/AP
 Sample : OC CAN 10590
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10590

Quant Time: Jul 30 07:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1239644	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2910429	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2589408	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2127194	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

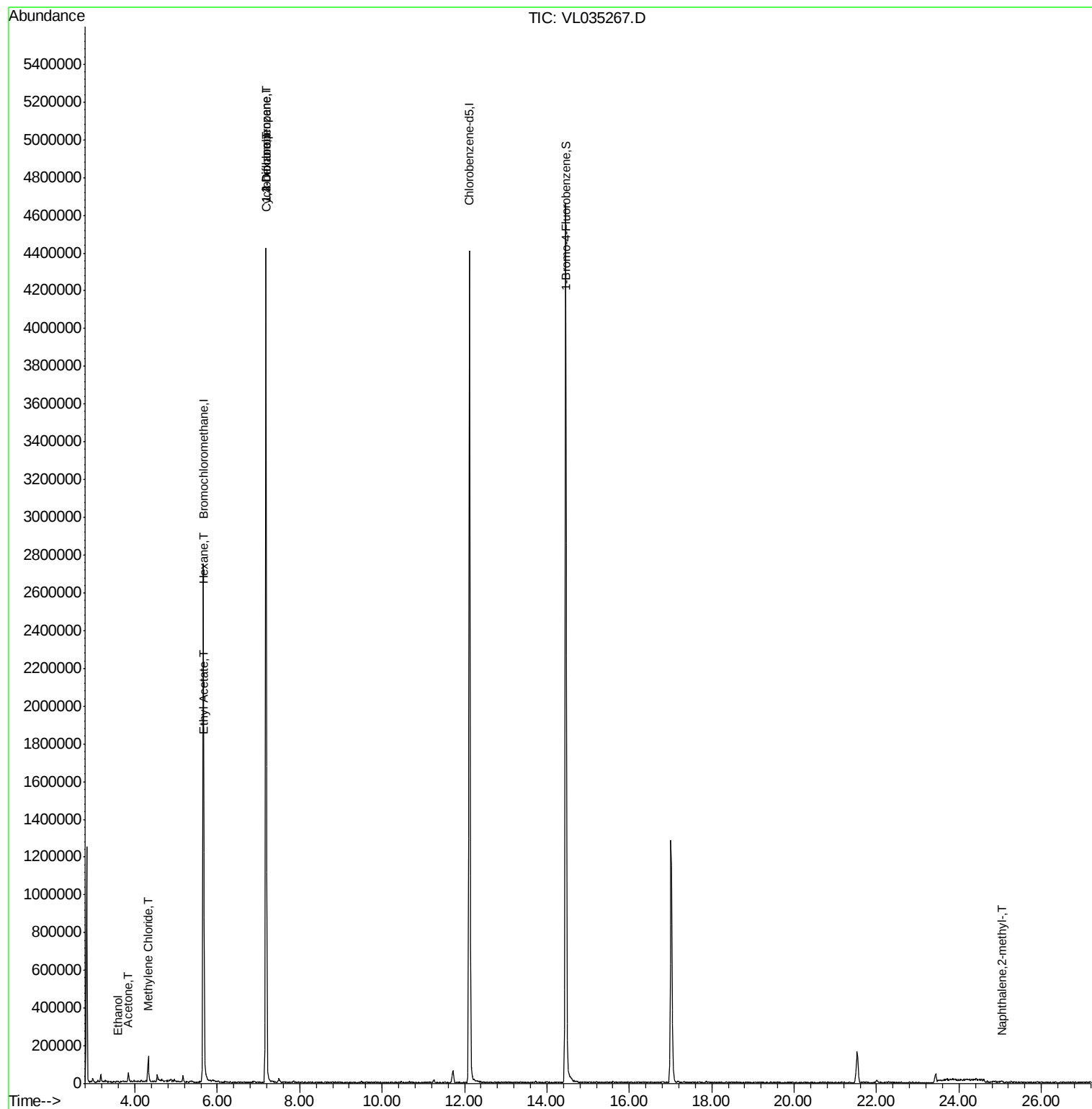
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	4183	0.215	ppbv #	39
15) Acetone	3.84	43	42049	0.254	ppbv #	47
20) Methylene Chloride	4.32	84	44078	0.586	ppbv	94
25) Ethyl Acetate	5.68	43	7951	0.031	ppbv #	79
26) Hexane	5.67	57	10580	0.091	ppbv #	43
30) Cyclohexane	7.17	84	7791	0.094	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	789716	9.786	ppbv #	24
80) Naphthalene,2-methyl-	25.04	142	3353	0.040	ppbv #	66

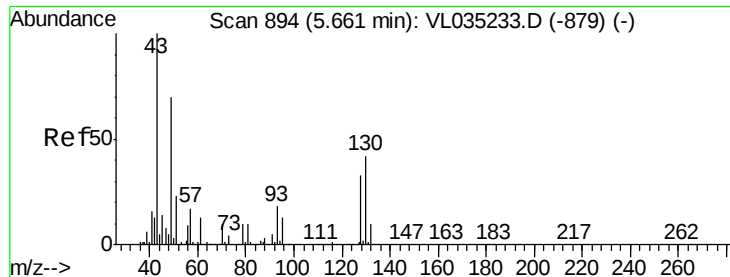
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035267.D

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MSVOA_L

ClientSampleId :

QC CAN 10590

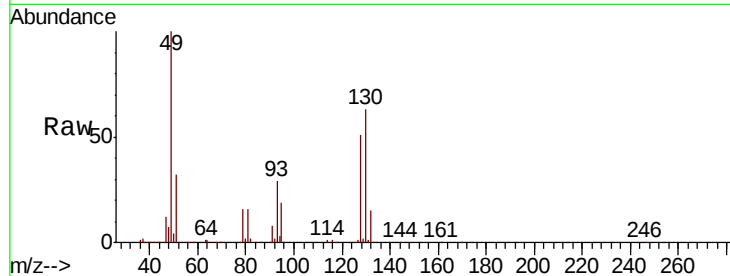
Tot Ion: 49 Resp: 1239644

Ion Ratio Lower Upper

49 100

128 49.3 24.0 72.0

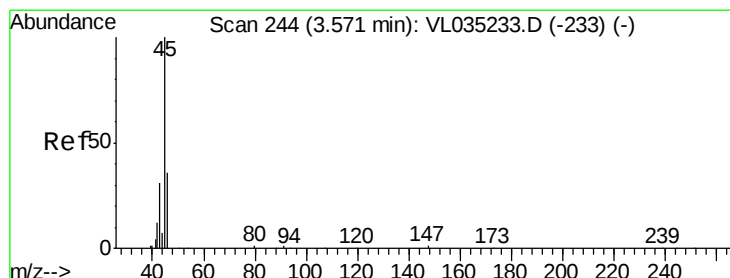
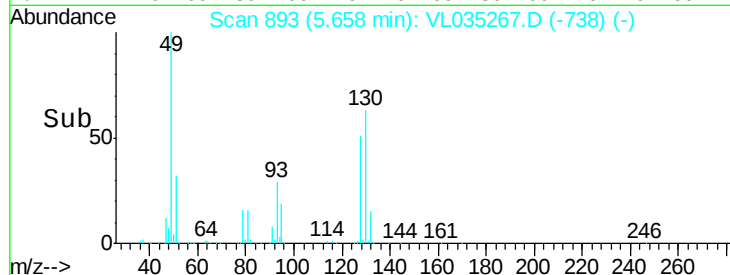
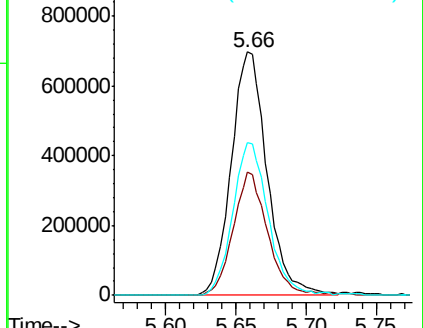
130 62.8 30.7 92.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.215 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL035267.D

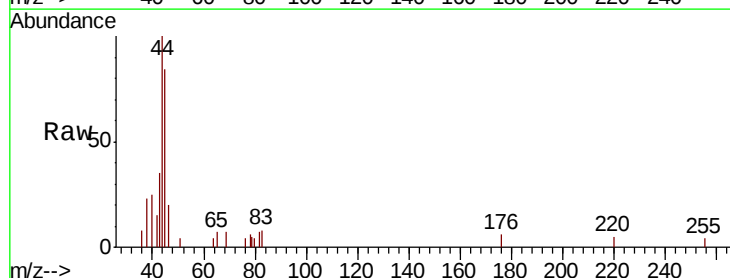
Acq: 30 Jul 2020 5:25

Tgt Ion: 45 Resp: 4183

Ion Ratio Lower Upper

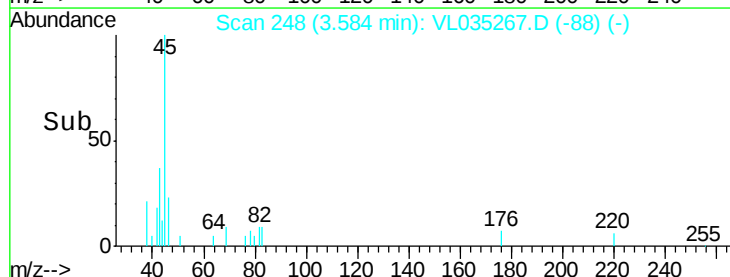
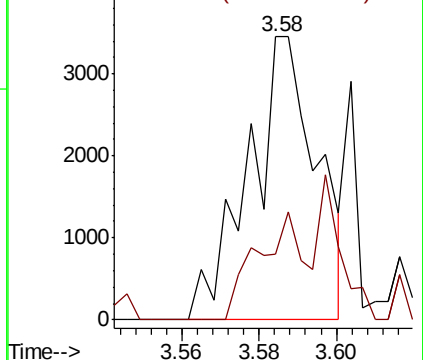
45 100

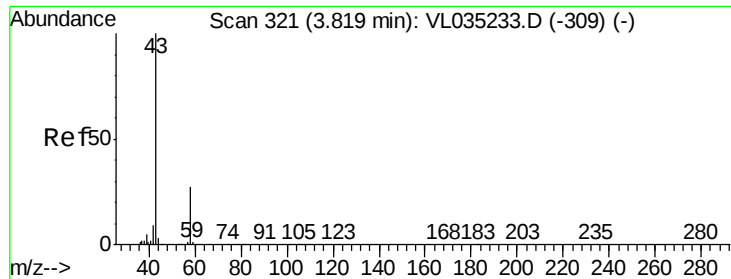
46 2.2 15.8 63.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.254 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.02 min

Lab File: VL035267.D

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ClientSampleId :

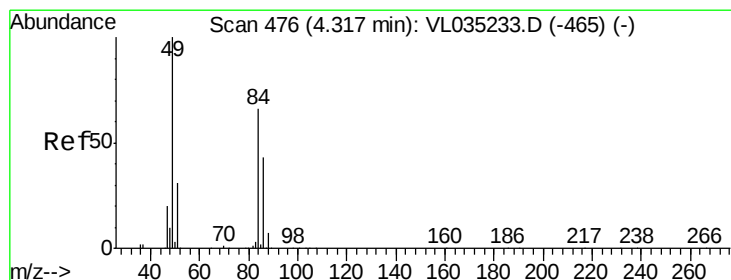
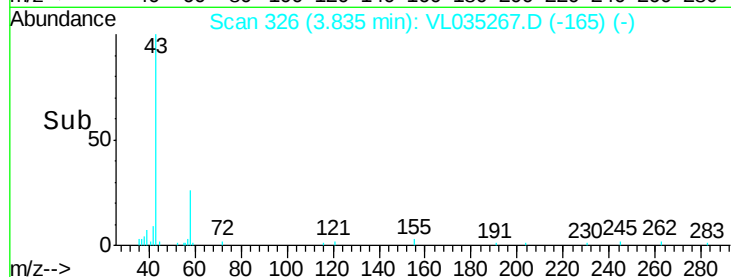
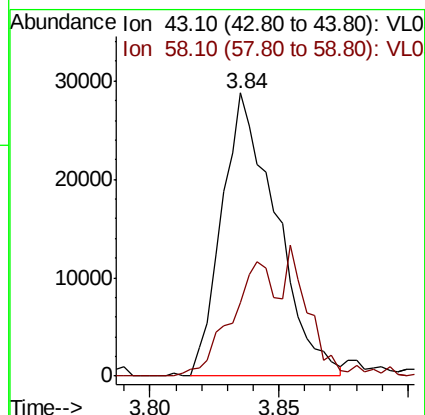
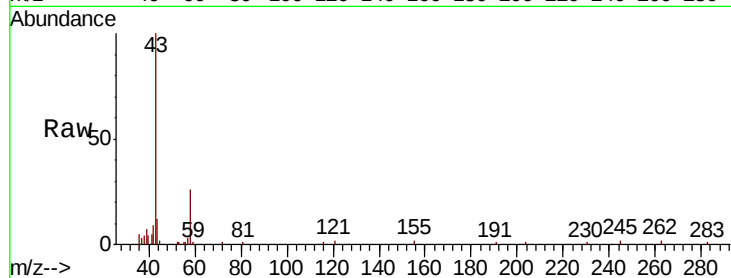
QC CAN 10590

Tot Ion: 43 Resp: 42049

Ion Ratio Lower Upper

43 100

58 54.5 21.8 32.6#



#20

Methylene Chloride

Concen: 0.586 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL035267.D

Acq: 30 Jul 2020 5:25

Tgt Ion: 84 Resp: 44078

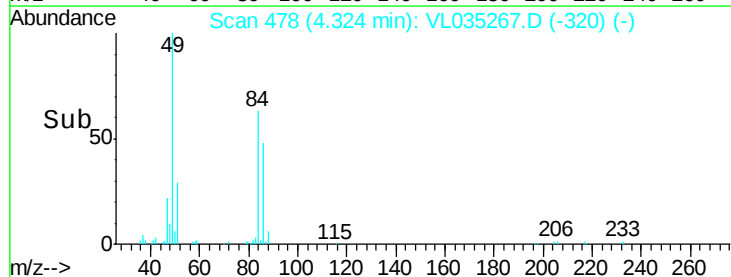
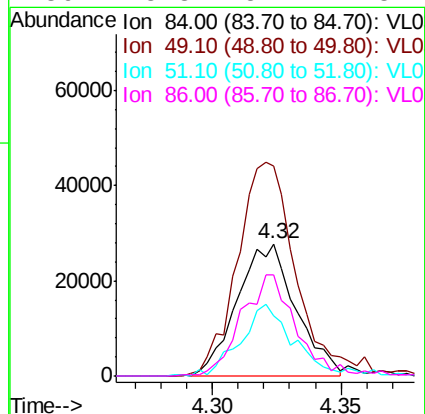
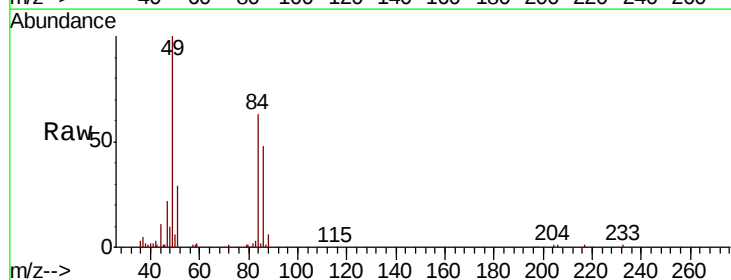
Ion Ratio Lower Upper

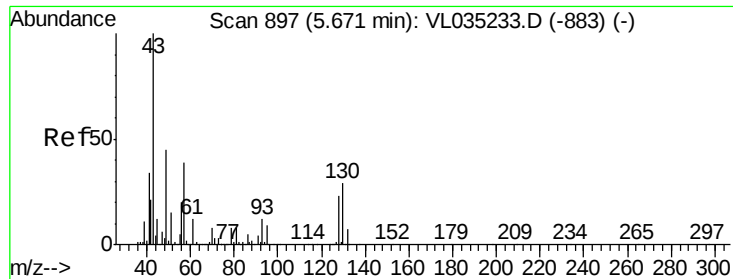
84 100

49 156.5 121.0 181.4

51 45.9 37.7 56.5

86 75.3 52.2 78.4

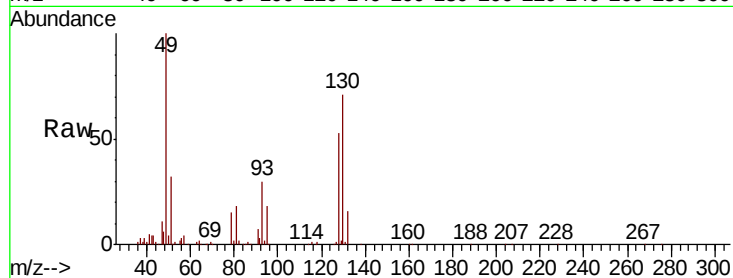




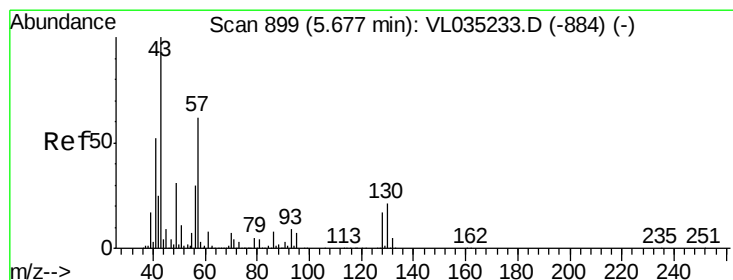
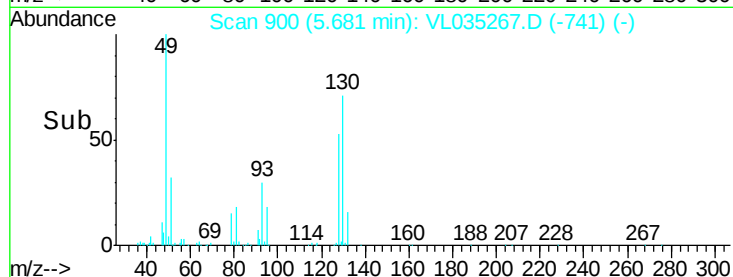
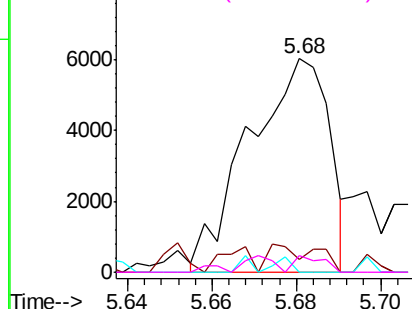
#25
Ethyl Acetate
Concen: 0.031 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035267.D
Acq: 30 Jul 2020 5:25

Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10590

Tot Ion:	43	Resp:	7951
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	0.0	8.1	12.1#
70	6.4	6.2	9.4

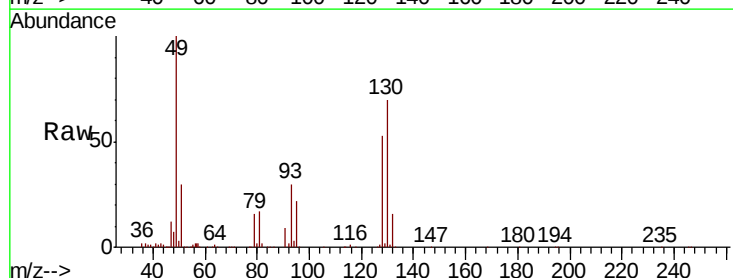


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

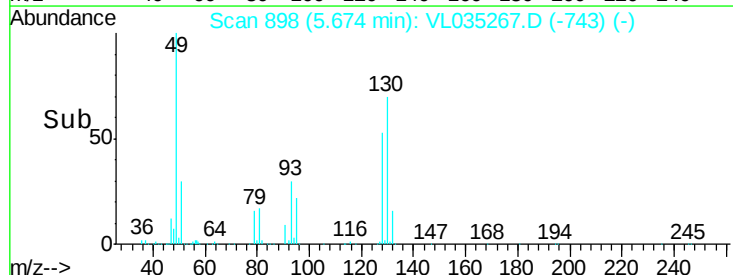
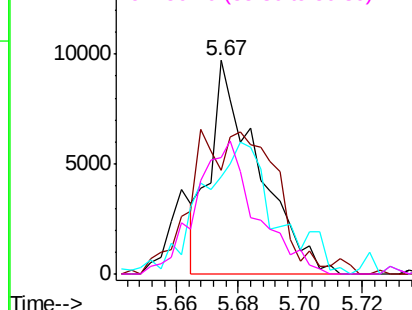


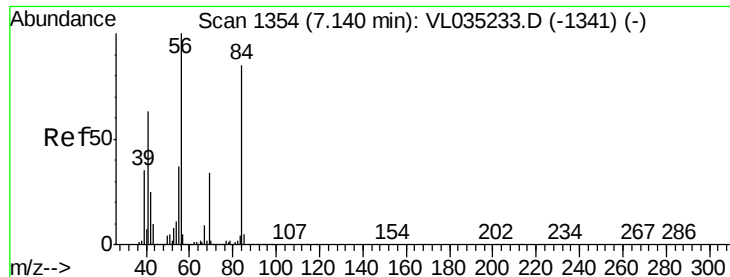
#26
Hexane
Concen: 0.091 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035267.D
Acq: 30 Jul 2020 5:25

Tgt Ion:	57	Resp:	10580
Ion	Ratio	Lower	Upper
57	100		
41	117.8	73.9	110.9#
43	100.8	177.6	266.4#
56	78.2	43.0	64.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

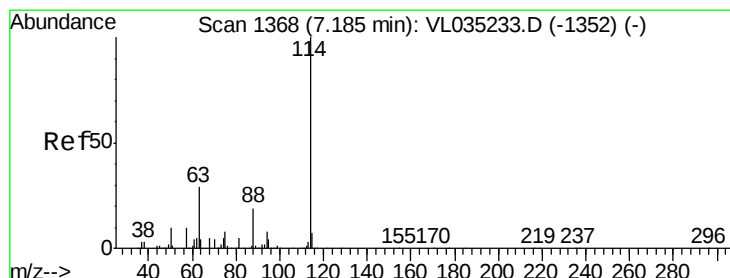
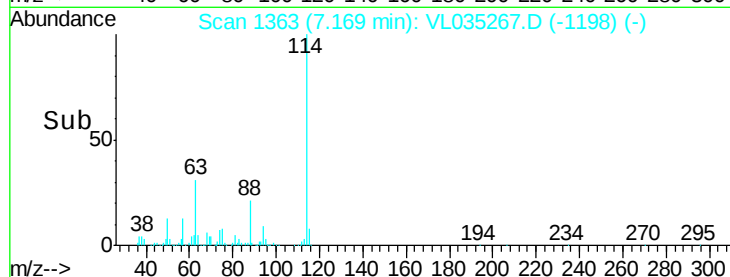
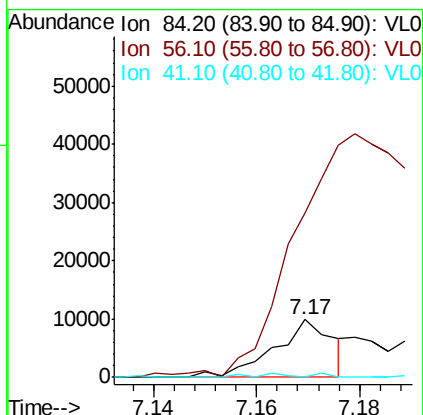
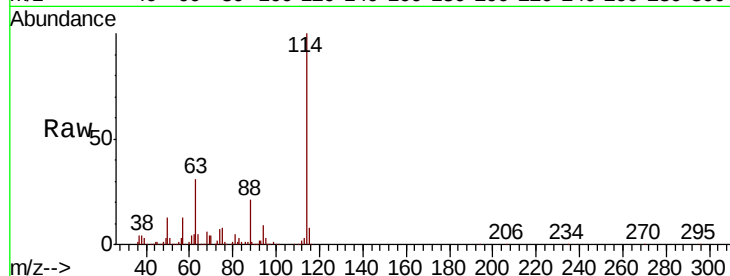




#30
Cvclohexane
Concen: 0.094 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.03 min
Lab File: VL035267.D
Acq: 30 Jul 2020 5:25

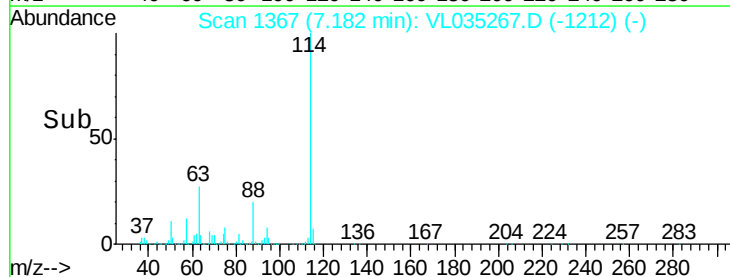
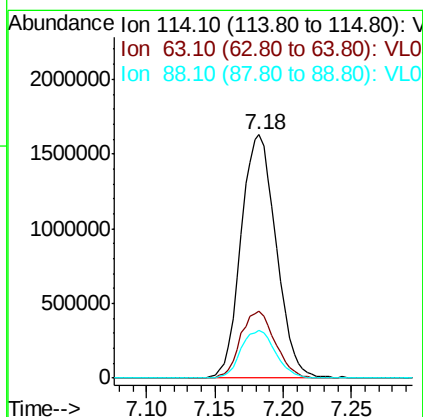
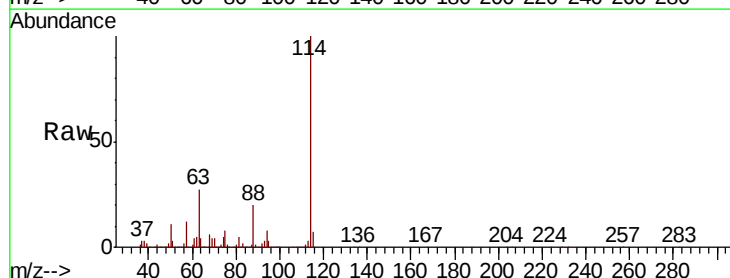
Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10590

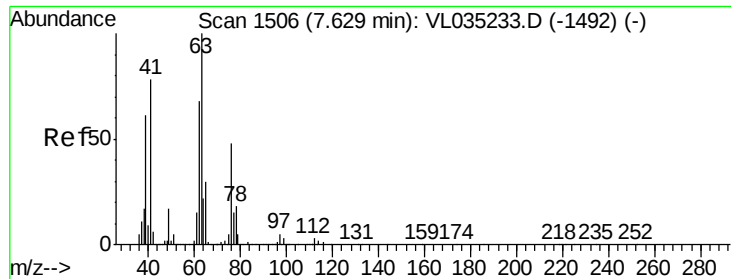
Tot Ion: 84 Resp: 7791
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 5.4 63.7 95.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL035267.D
Acq: 30 Jul 2020 5:25

Tgt Ion: 114 Resp: 2910429
Ion Ratio Lower Upper
114 100
63 27.3 22.2 33.2
88 19.4 15.4 23.0

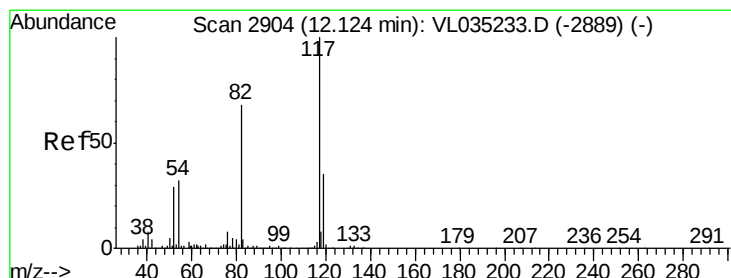
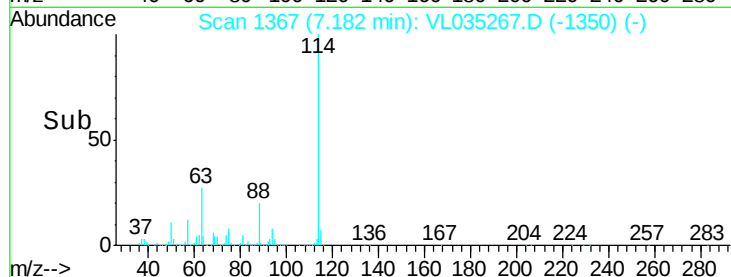
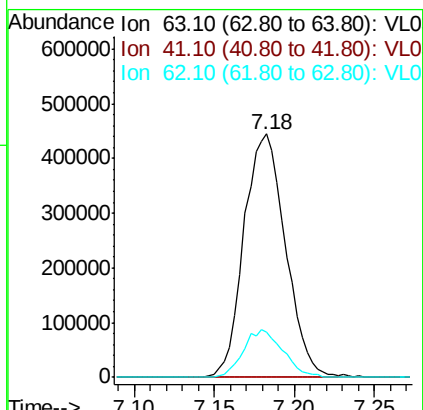
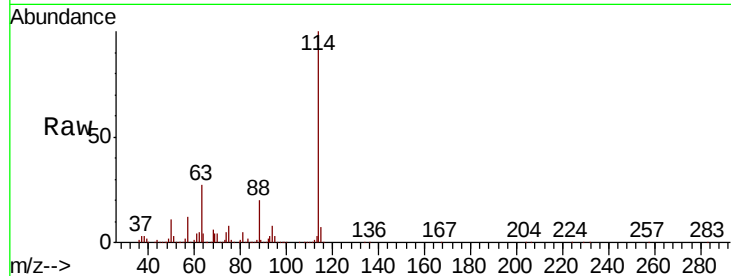




#39
 1,2-Dichloropropane
 Concen: 9.786 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.45 min
 Lab File: VL035267.D
 Acq: 30 Jul 2020 5:25

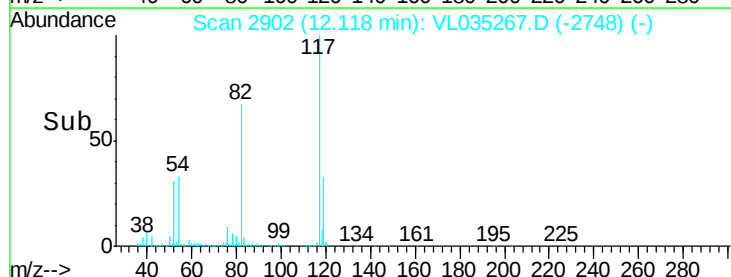
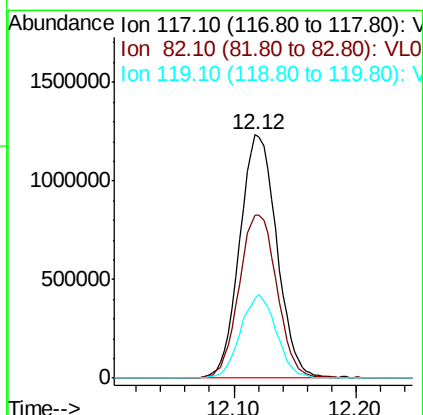
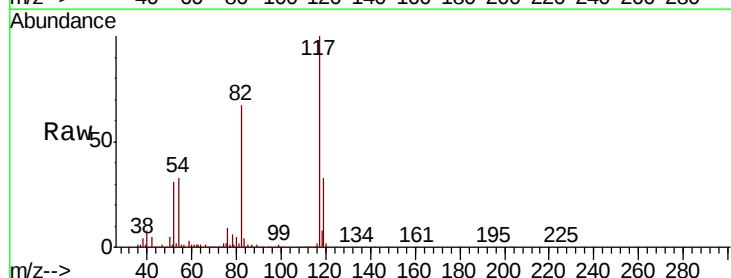
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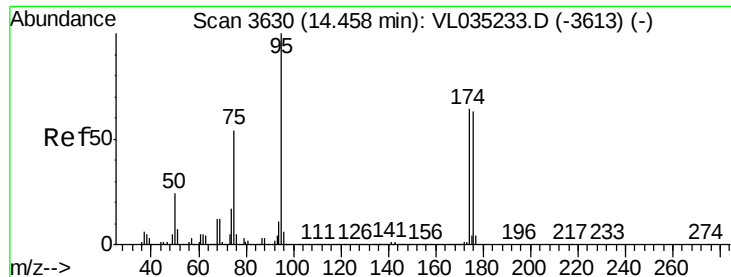
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.2	93.4#
62	18.6	54.2	81.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2902
 Delta R.T. -0.01 min
 Lab File: VL035267.D
 Acq: 30 Jul 2020 5:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.9	52.4	78.6
119	33.1	24.6	36.8

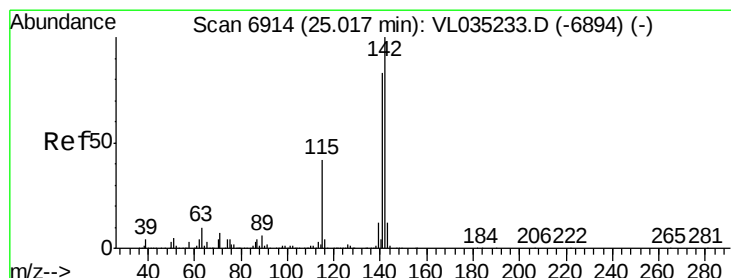
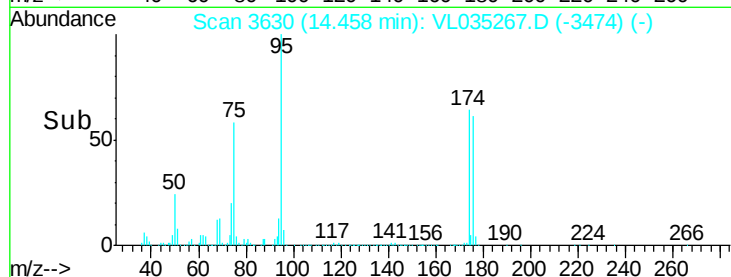
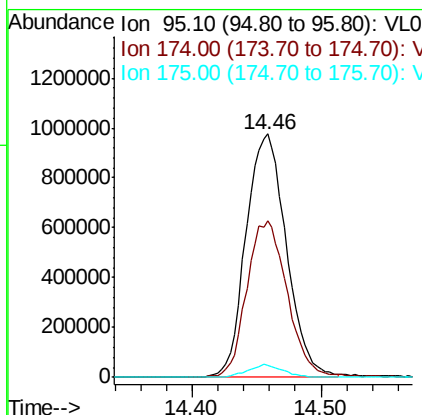
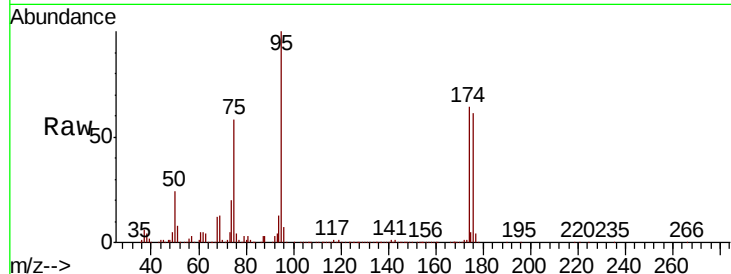




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.281 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL035267.D
 Acq: 30 Jul 2020 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10590

Tot Ion: 95 Resp: 2127194
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.7 79.1
 175 4.7 3.9 5.9



#80
 Naphthalene, 2-methyl-
 Concen: 0.040 ppbv
 RT: 25.04 min Scan# 6921
 Delta R.T. 0.02 min
 Lab File: VL035267.D
 Acq: 30 Jul 2020 5:25

Tgt Ion: 142 Resp: 3353
 Ion Ratio Lower Upper
 142 100
 141 60.7 68.6 103.0#
 115 12.0 34.5 51.7#

